



Product information

RELAUNCH! Our loyal servant for 50 years has come in a new design. The AT 2311B butterfly valve is a high-quality valve that is perfect for shutting off and regulating hot and cold water, glycol-mixed water, vacuum, and neutral gases. It is made of cast iron and has a vulcanized lining, which provides a long product life cycle. The valve has low torque and low pressure drop. The EPDM rubber used in the valve is suitable for hot water, air, neutral gases, some diluted inorganic acids, and some alcohols (max 30%). The connection is flanged according to EN1092. Choose the AT 2311B butterfly valve for reliable and efficient operation.

Dimension range (DN)	40 - 300
PN	16
Temperature (°C)	-20 - 110
Main material	Ductile iron

## Area of use

This product is of the highest quality and is designed to withstand pressure class PN16 and temperatures ranging from -20 to 110 °C. It is developed to fit within the dimensional range (DN, liters) from 40 to 300. With this product, you can be sure that you are getting a reliable and robust solution for your needs.

For shut-off and regulation. Hot and cold water:

- Heating and cooling systems
- Glycol-mixed water
- Vacuum
- Neutral gases

EPDM rubber: Hot water, air, neutral gases, some diluted inorganic acids, some alcohols (max 30%).

## Tender text

### **PSB.2 Rotary butterfly valves**

Butterfly valve AT 2311B, with a cast iron body and a fixed vulcanized EPDM liner in the body, as well as a stainless steel disc.

AT 2311BS with lever standard up to DN150,

AT 2311BV with gearbox standard from DN150.

## Quality assurance

AFS 2023:5, PED 2014/68/EU

### **The product is CE marked**

**Product marking:** Model, DN, Flange, Bodymaterial, Seat material, Disc material, PS, TS, PT, date of test, serialnumber, standard and AT-number

## Energy and environment declaration

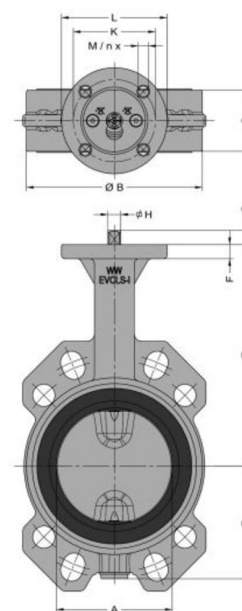
**Reach date:** 6/14/2023 12:00:00 AM

Pos	Component	Material
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## Measurements and weight

**Dimension range (DN): 40 - 300**

Item number	A	B	C	D	E	F	G	H	Net weight (kg)
BV1107040B	40	86	33	58	147	12	15	9	3.1
BV1109050B	50	100	43	63	152	12	34	10	4
BV1107050B	50	100	43	63	152	12	15	9	4.1
BV1109065B	65	115	46	71	160	12	34	10	5
BV1109080B	80	130	46	78	168	12	34	10	5
BV1109100B	100	150	52	98	189	12	34	12	6
BV1107100B	100	150	52	98	189	12	12	12	6.1
BV1109125B	125	182	56	109	202	12	34	12	9
BV1109150B	150	210	56	133	224	14	34	14	10
BV1107200B	200	262	60	158	248	14	19	17	15.2
BV1107250B	250	315	68	194	280	15	24	22	24.85
BV1107300B	300	371	78	219	305	15	24	22	36.85
BV1103040B	40	86	33	58	147	12	15	9	2
BV1103050B	50	100	43	63	152	12	15	9	3
BV1103065B	65	115	46	71	160	12	15	9	4
BV1103080B	80	130	46	78	168	12	15	9	4
BV1103100B	100	150	52	98	189	12	12	11	5
BV1103125B	125	182	56	109	202	12	16	14	8



Item number	A	B	C	D	E	F	G	H	Net weight (kg)
BV1103150B	150	210	56	133	224	14	16	14	9
BV1103200B	200	262	60	158	248	14	19	17	14
BV1103250B	250	315	68	194	280	15	24	22	23
BV1103300B	300	371	78	219	305	15	24	22	35

Function and design

Fully sealed maintenance-free butterfly valve with a centrally located disc, split spindle, and a completely housed body with in-house vulcanized rubber lining that eliminates the risk of gap corrosion, protects the valve body internally against corrosion, and serves as a flange gasket. The manufacturing process ensures excellent sealing and increased lifespan as wear of the lining is eliminated. The profile of the disc is crucial to achieving good flow characteristics, which ultimately leads to minimizing energy losses. The valve is tight regardless of the flow direction.

Valve body with semi-LUG mounting ears for one-sided installation. AT 2311B is equipped with mounting ears up to DN 300. Hole pattern DN40-DN300 fits flanges PN6/PN10/PN16 and CL150. Butterfly valve AT 2311B DN 40-300 is delivered as standard with a high spindle neck for over-insulation. Construction length according to SS-EN 558, series 20. Top flange according to ISO 5211.

Standard surface treatment class C3 according to ISO 12944.  
For outdoor installation where there are significant amounts of air pollution or moderate amounts of salt, such as in industrial and coastal areas, without rain protection, class C4 is recommended.

Technical data

**Main material:** Ductile iron  
**Main material code:** Ductile iron GJS-400-15 (GGG40)  
**Included materials:** Stainless steel, Rubber  
**Included material code:** EPDM (ethylene propylene diene monomer rubber), Stainless steel AISI 304 (1.4301)  
**Temperature (°C):** -20 - 110  
**PN:** 16  
**Connection:** Flanged EN1092  
**ETIM classification:** EC010910 - Butterfly valve  
**BK04 code:** 20706 Single-leaf dampers  
**Product colour:** RAL 2000 - Yellow orange

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurments	Required torque (Nm)	Leakagerate
BV1107040B	95	F07	Parallel square	9x9mm	4	Rate A acc. to EN 12266-1:2012

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurements	Required torque (Nm)	Leakage rate
BV1109050B	95	F07	Parallel square	10x10mm	6	Rate A acc. to EN 12266-1:2012
BV1107050B	95	F07	Parallel square	9x9mm	6	Rate A acc. to EN 12266-1:2012
BV1109065B	231	F07	Parallel square	10x10mm	10	Rate A acc. to EN 12266-1:2012
BV1109080B	491	F07	Parallel square	10x10mm	16	Rate A acc. to EN 12266-1:2012
BV1109100B	690	F07	Parallel square	12x12mm	29	Rate A acc. to EN 12266-1:2012
BV1107100B	690	F07	Parallel square	11x11mm	29	Rate A acc. to EN 12266-1:2012
BV1109125B	1450	F07	Parallel square	12x12mm	45	Rate A acc. to EN 12266-1:2012
BV1109150B	1945	F07	Parallel square	16x16mm	65	Rate A acc. to EN 12266-1:2012
BV1107200B	4095	F07	Parallel square	17x17mm	141	Rate A acc. to EN 12266-1:2012
BV1107250B	6085	F10	Parallel square	22x22mm	276	Rate A acc. to EN 12266-1:2012
BV1107300B	9570	F10	Parallel square	22x22mm	394	Rate A acc. to EN 12266-1:2012
BV1103040B	95	F07	Parallel square	9x9mm	4	Rate A acc. to EN 12266-1:2012
BV1103050B	95	F07	Parallel square	9x9mm	6	Rate A acc. to EN 12266-1:2012
BV1103065B	231	F07	Parallel square	9x9mm	10	Rate A acc. to EN 12266-1:2012
BV1103080B	491	F07	Parallel square	9x9mm	16	Rate A acc. to EN 12266-1:2012
BV1103100B	690	F07	Parallel square	11x11mm	29	Rate A acc. to EN 12266-1:2012

Item number	KVS	Connection according to ISO 5211	Stem type	Stem measurments	Required torque (Nm)	Leakagerate
BV1103125B	1450	F07	Parallel square	14x14mm	45	Rate A acc. to EN 12266-1:2012
BV1103150B	1945	F07	Parallel square	14x14mm	65	Rate A acc. to EN 12266-1:2012
BV1103200B	4095	F07	Parallel square	17x17mm	141	Rate A acc. to EN 12266-1:2012
BV1103250B	6085	F10	Parallel square	22x22mm	276	Rate A acc. to EN 12266-1:2012
BV1103300B	9570	F10	Parallel square	22x22mm	394	Rate A acc. to EN 12266-1:2012

Installation and maintenance

**Flowdirection:** Bi-directional  
**Possible mounting position:** Vertical, Horizontal  
**Possible mounting position notes:** The stem should not be mounted so that it is pointing downwards as this may cause leakage.  
The valve is intended to be mounted between flanges, without gaskets, and where possible with the shafts in a horizontal position, avoid mounting the valve with the shaft downwards. In case of unilateral mounting, bolts and nuts shall not be tightened with a higher torque than specified in the table of the relevant standard. The valve should be exercised regularly to avoid the accumulation of dirt that can lead to leakage.

### Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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THE COMPANY'S MANAGEMENT SYSTEM  
IS CERTIFIED BY LLOYD'S REGISTER  
ISO 9001